INTERNATIONAL SEARCH REPORT

GB2004/003553

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 B24B9/14 B28D B24B13/005 B23Q1/52 B24B13/00 B28D1/14 According to International Patent Classification (IPC) or to both national classification and IPC Minimum documentation searched (classification system followed by classification symbols) B24B B28D IPC 7 B23Q Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with indication, where appropriate, of the relevant passages Category 9 US 6 572 451 B1 (FUJITA HAKARU ET AL) 1,2,5,7, 3 June 2003 (2003-06-03) column 1, line 45 - column 4, line 18 column 4, line 63 - column 5, line 12 column 7, line 45 - column 8, line 20 column 9, line 6 - line 13 Υ column 10, line 15 - line 41 figures 2-4,7 US 2002/006764 A1 (DIEHL JOACHIM ET AL) 1,3,4,10 χ 17 January 2002 (2002-01-17)
paragraphs '0001!, '0002!, '0004
'0010!, '0012!, '0013!, '0015!,
'0017!, '0025! - '0032!, '0038! '0004! figures 1,2,6 -/--Further documents are listed in the continuation of box C. Patent family members are listed in annex. X Special categories of cited documents: *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an invention step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "O" document referring to an oral disclosure, use, exhibition or document published prior to the international filing date but later than the priority date claimed *&* document member of the same patent family Date of mailing of the International search report Date of the actual completion of the international search 28/10/2004 22 October 2004 Authorized officer Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Eder, R

INTERNATIONAL SEARCH REPORT

'GB2004/003553

Category *	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	GB 1 208 943 A (TEXTRON INC) 14 October 1970 (1970-10-14) page 8, line 11 - page 9, line 28 figure 14	6
A	EP 1 238 731 A (HOYA CORP) 11 September 2002 (2002-09-11) figure 2	1-10
A	EP 1 310 327 A (NIDEK KK) 14 May 2003 (2003-05-14) the whole document	1-10
		·
`		
		•

Form PCT/ISA/210 (continuation of second sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

Information on patent family members

GB2004/003553

Patent document cited in search report			Publication date			Publication date
US	6572451	B1	03-06-2003	JP	2002014303 A	18-01-2002
				JP	2002196289 A	12-07-2002
				υA	9594501 A	29-04-2002
				EP	1332819 A1	06-08-2003
				WO	0232604 A1	25-04-2002
				TW	527 4 94 B	11-04-2003
				ΑU	4881001 A	07-11 - 2001
				CN	1395696 T	05-02-2003
				EP	1278095 A1	22-01-2003
				WO	0181983 A1	01-11-2001
				US	2002135732 A1	26-09-2002
US	2002006764	A1	17-01-2002	DE	10029967 A1	17-01-2002
GB	1208943	 А	14-10-1970	DE	1752002 A1	12-08-1971
				FR	1558888 A	28-02-1969
				GB	1208944 A	14-10-1970
				GB	1208945 A	14-10-1970
				GB	1208946 A	14-10-1970
				US	3448549 A	10-06-1969
				US	3522677 A	04-08-1970
				US	3624976 A	07-12-1971
EP	1238731	A	11-09-2002	JP	3358656 B2	24-12-2002
				JP	2001121330 A	08-05-2001
				ΑU	7949000 A	30-04-2001
				EP	1238731 A1	11-09-2002
				US	6561738 B1	13-05-2003
				CN	1382077 T	27-11-2002
				WO	0128720 A1	26-04-2001
				TW	482703 B	11-04-2002
EP	1310327	A	14-05-2003	JP	2003145328 A	20-05-2003
				ΕP	1310327 A2	14-05-2003
				US	2003087584 A1	08-05-2003